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PHO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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	•	_	Application Number	er 10/764,345
TRANS	SMITT	^AL	Filing Date	Jan 23, 2004
FORM			First Named Invent	tor Liu
(to be used for all corres	spondence afte	er initial filing)	Group Art Unit	
			Examiner Name	
Total Number of Pages	s in This Subm	ission	Attorney Docket Nur	mber MS1-1811US
		ENCL	OSURES (ch	eck all that apply)
Fee Transmittal Form Fee Attached  Amendment / Reply After Final Affidavits/declaratio  Extension of Time Request  Express Abandonment Red  Information Disclosure Stat  Certified Copy of Priority Document(s)  Response to Missing Parts Incomplete Application  Response to Missing under 37 CFR 1.52 december 1.52	quest tement	Drawing Licensin Petition Petition Provisio Change Address Termina Reques	nent Papers Application)  (s) Sheet ag-related Papers  to Convert to a anal Application of Attorney, Revocation of Correspondence al Disclaimer t for Refund  mber of CD(s)	of Appeals and Interferences  Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  Proprietary Information  Status Letter
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I hereby certify that this corresponder an envelope addressed to: Commiss	nce is being de sioner for Pater	posited with the lats, P.O. Box 145	United States Postal Ser 0, Alexandria, VA 2231	rvice with sufficient postage as first class mail in 3-1450 on this date: 9/29/04
Typed or printed name Signature	Arly Taylor	X Ta	fac I	Date 9/29/04

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PTO/SB/17 (10-03)

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Filing Date

**Application Number** 

Attorney Docket No.

FEE	<b>TRANSMITTAL</b>
•	for FY 2004

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Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

SUBMITTED BY

Name (Print/Type)

Signature

zev C. Christie

<u> </u>	
First Named Inventor	Liu
Examiner Name	
Art Unit	

MS1-1811US

Jan 23, 2004

Complete if Known 10/764,345

METHOD OF PAYMENT (check all that apply)					FEE CALCULATION (continued)				
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1002 340	2002 170	Design filing fee		1401	330	2401	165	Notice of Appeal	
1003 530	2003 265	Plant filing fee		1402	330	2402	165	Filing a brief in support of an appeal	
1004 770	2004 385	Reissue filing fee		1403	290	2403	145	Request for oral hearing	
1005 160	2005 80	Provisional filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
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1202 16		3 Independent claims in		1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
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Registration No.

40.559

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.	10/764,345
Filing Date	Jan 23, 2004
Confirmation No	5777
Inventorship	Liu
Applicant	Microsoft Corporation
Group Art Unit	*
Examiner	
Attorney's Docket No	
Title: Watermarking via Quantization of Rational Statis	stics of Regions

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## INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449

## **REMARKS**

The citations listed, copies attached, are submitted in compliance with the duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

Date: 4-27-04

Respectfully Submitted,

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STATEMENT BY APPLICANT	First Named Inventor	Liu	
•	Group Art Unit		_
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Attorney Docket Number

MS1-1811US

				U.S. PATENT DOCL	JMENTS	<del></del>
Examiner Initials*	Cite No.1			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5465353		Hull et al.	11/07/1995	
		5613004		Cooperman et al.	03/18/1997	
		5664016		Preneel et al.	09/02/1997	
		5689639		Schwarz	11/18/1997	
		5809498		Lopresti et al.	09/15/1998	
		6101602		Fridrich	08/08/2000	
		6363463		Mattison	03/26/2002	· · · · · · · · · · · · · · · · · · ·
		6370272		Shimizu	04/09/2002	
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		5875264		Carlstrom	02/23/1999	
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		5953451		Syeda-Mahmood	09/14/1999	
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Examiner Initials*	Cite No.1	Office <sup>3</sup>	Foreign Patent Do	cument Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ <sup>6</sup>
			EP 0581317		Interactive Home Systems	02/02/1994		
			WO 01/11890		Macrovision Corporation	02/15/2001	<del>" '</del>	1
			WO 01/28230		Koniklijke Philips Electronics	04/19/2001		1
			WO 99/17537		Hewlett-Packard Company	04/08/1999		1
			WO 99/18723		Macrovision Corporation	04/15/1999		
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Signature	/Dante Ravetti/ (01/07/2008)	Considered	01/07/2008
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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	10/764,345	
INFORMATION DISCLOSURE				Filing Date	Jan 23, 2004	
STATEMENT BY APPLICANT			APPLICANT	First Named Inventor	Liu	
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Sheet	2	of	3	Attorney Docket Number	MS1-1811US	

		NON PATENT LITERATURE DOCUMENTS			
Examiner Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		Chang et al., "RIME: A Replicated Image Detector for the World-Wide Web" Proceedings of the SPIE Vol. 3527 2-4 November 1998 pages 58-67.			
		Kesal et al., "Iteratively Decodable Codes for Watermarking Applications" Proceedings of the Second Symposium on Turbo Codes and Their Applications France September 2000 4 pages.			
		Malvar, "A Modulated Complex Lapped Transform and its Applications to Audio Processing" IEEE ICASSP'99 Phoenix AZ. March 1999 pages 1-4.			
		Mihcak et al., "A Perceptual Audio Hashing Algorithm: A Tool For Robust Audio Identification and Information Hiding" Proceedings of the Information Hiding Workshop 2001 15 pages.			
		Mihcak et al., "Cryptanalysis of Discrete-Sequence Spread Spectrum Watermarks" Proceedings of the Information Hiding Workshop Holland 2002 21 pages.			
		Mihcak et al., "New Iterative Geometric Methods for Robust Perceptual Image Hashing" Proceedings of the Security and Privacy Digital Rights Management Workshop 2001 9 pages.			
		Mihcak et al.,"Watermarking via Optimization Algorithms for Quantizing Randomized Statistics of Image Regions" Proceedings of the Annual Allerton Conference on Communication Control and Computing Urbana IL 2002 10 pages.			
		Moulin et al., "A Framework for Evaluating the Data-Hiding Capacity of Image Sources" IEEE Transactions on Image Processing Vol. 11 No. 9 September 2002 pages 1-14.			
		Moulin et al., "The Parallel-Gaussian Watermarking Game" IEEE Transactions Information Theory Feb. 2004 pages 1-36.			
		Venkatesan et al.,"Image Watermarking with Better Resilience" Proceedings of IEEE-ICIP Vancouver BC Canada 2000 4 pages.			
		Venkatesan et al., "Robust Image Hashing" Proceedings of the IEEE-ICIP Vancouver BC Canada 2000 3 pages.			

Examiner	/Dante Ravetti/ (12/06/2007)	Date	10/00/0007
Signature	/Dante navetti/ (12/00/2007)	Considered	12/06/2007

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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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INF	ORMA	TION D	ISCLOSURE	Filing Date	Jan 23, 2004		
STATEMENT BY APPLICANT				First Named Inventor	Liu		
•			,	Group Art Unit		***	
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heet	3	of	3	Attorney Docket Number	MS1-1811US		

	NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	tials No.1 No.1 No.1 Publisher, city and/or country where published.						
		Echizen et al.,"General Quality Maintenance Module for Motion Picture Watermarking" IEEE Trans. on Consumer Electronics Vol. 45 No. 4. Nov 1999 pp1150-1158.					
		Fridrich et al., "Robust Hash Functions for Digital Watermarking" Proc. Int. Conf. on Information Technology: Coding and Computing March 2000 pp 178-183.					
		Lee et al., "Adaptive Video Watermarking Using Motion Information" Proc SPIE Vol. 3971: Security and Watermarking of Multimedia Contents II Jan 2000 pp. 209-216.					
		Wu et al., "Video Access Control Via Multi-level Data Hiding' Proc. IEEE Int. Conf. on Multimedia and Expo Vol. I Jul/Aug 2000 pp 381-384.					
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Examiner	(Davis Davis) (04/07/0000)	Date	
Signature	/Dante Ravetti/ (01/07/2008)	Considered	01/07/2008

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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.